

=> b reg
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STRUCTURE FILE UPDATES: 6 JUL 2009 HIGHEST RN 1160908-15-5
 DICTIONARY FILE UPDATES: 6 JUL 2009 HIGHEST RN 1160908-15-5

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<http://www.cas.org/support/stngen/stndoc/properties.html>

=> d que sta l11
 L7 STR
 Hy~^N~^S~^Cb^G1^Cb
 1 2 3 4 5 6

VAR G1=O/S
 NODE ATTRIBUTES:
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED
 ECOUNT IS E7 C E1 N AT 1
 ECOUNT IS E6 C AT 4
 ECOUNT IS E6 C AT 6

GRAPH ATTRIBUTES:
 RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 6

STEREO ATTRIBUTES: NONE
 L9 169870 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON NC5-NC5/ES
 L11 6 SEA FILE=REGISTRY SUB=L9 SSS FUL L7

100.0% PROCESSED 7222 ITERATIONS 6 ANSWERS
 SEARCH TIME: 00.00.01

=> b zcap
 FILE 'ZCAPLUS' ENTERED AT 17:37:28 ON 07 JUL 2009
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FILE COVERS 1907 - 7 Jul 2009 VOL 151 ISS 2
 FILE LAST UPDATED: 6 Jul 2009 (20090706/ED)
 REVISED CLASS FIELDS (/NCL) LAST RELOADED: Apr 2009
 USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Apr 2009

ZCAplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2009.

CAS Information Use Policies apply and are available at:

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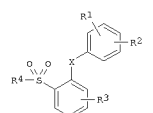
This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d bib abs hitstr 114 tot

L14 ANSWER 1 OF 1 SCAPLUS COPYRIGHT 2009 ACS ON SIN (Continued)
 RN 2004:81708 SCAPLUS
 DN 141:314354
 TI Preparation of 2-Phenoxy- and 2-phenylsulfonamide derivatives with CCR3
 antagonistic activity for the treatment of asthma and other inflammatory
 or immunological disorders
 IN Li, Yingfu; Bacon, Kevin; Sugimoto, Hiromi; Fukushima, Keiko; Hashimoto,
 Kentaro; Marumo, Makiko; Moriwaki, Toshiya; Nunami, Noriko; Tsuno, Naoki;
 Uehanns, Klaus; Yoshida, Nagahiro
 PA Bayer Healthcare A.-G., Germany
 SO PCT Int. Appl., 93 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO--2004084898	A1	20041007	2004WO-EP0002496	20040311
W: AE, AG, AL, AM, AT, AU, AZ, BA, BG, BR, BW, BY, BE, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, ME, NA, NI, NO, NE, NG, NG, PH, PL, PT, RO, RU, SC, SE, SG, SK, SI, SJ, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SE, TE, UG, ZM, ZW, AM, AE, BY, KG, KZ, MD, RU, TJ, TM, AS, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LJ, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU--2004224807	A1	20041007	2004AU-000224807	20040311
CA-----2520225	A1	20041007	2004CA-002520225	20040311
EP-----1608374	A1	20051228	2004EP-000719389	20040311
EP-----1608374	B1	20081105		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LJ, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK				
BR--2004000682	A	20060328	2004BR-00000682	20040311
CN-----1802159	A	20060712	2004CN-080013585	20040311
JP--2006523627	T	20061019	2006JP-000504635	20040311
ZA--2005007806	A	20070328	2005ZA-000007806	20040311
AT-----413178	T	20081115	2004AT-000719389	20040311
EP-----1997495	A1	20081203	2008EP-000010543	20040311
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LJ, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR				
NZ-----542920	A	20090228	2004NZ-000542920	20040311
ES-----2315647	T3	20090401	2004ES-000719389	20040311
NO--2005004878	A	20051021	2005NO-000004878	20051021
IN--200502728	A	20070608	2005IN-000002728	20051021
US--20070155725	A1	20070705	2006US-000550482	20061013
IN--200806723	A	20090327	2008IN-000006723	20081205
PRAI 2003EP-000006293	A	20030324		
2004EP-000719389	A3	20040311		
2004WO-EP0002496	W	20040311		
2005IN-000002728	A3	20051021		

OS MARPAT 141:314354
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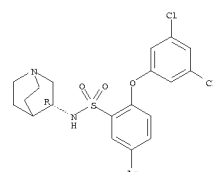
AB Title compds. I [X = O, S; R1 = H, halo, OH, NO2, etc.; R2 = H, halo, OH,

L14 ANSWER 1 OF 1 SCAPLUS COPYRIGHT 2009 ACS ON SIN (Continued)
 NO2, CN, alkoxy, etc.; R3 = H, halo, OH, NO2, CN, etc.; R4 = amino, etc.]
 are prepd. For instance, 5-cyano-2-(3,5-dichlorophenoxy)-N-(2-(dimethylamino)ethyl)-N-[2-(2,5-dioxopyrrolidin-1-yl)ethyl]benzenesulfonamide is prepd. in 3 steps from N,N-dimethylethane-1,2-diamine, 5-cyano-2-(3,5-dichlorophenoxy)phenylsulfonyl chloride (prepn. given) and pyrrolidine. Comps. of the invention exhibit 100 fold selectivity toward the CCR3 receptor compared to CCR1, CCR5, CCR7, CCR8 and CCR9. I are useful in the treatment of diseases assoc. with CCR3 activity, e.g., asthma, atopic dermatitis, allergic rhinitis and other inflammatory/immunol. disorders.

769158-92-1P 769159-25-3P 769159-31-1P
 769159-42-4P 769159-51-5P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

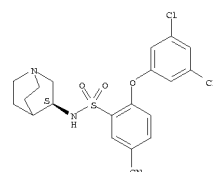
(Preparation of 2-Phenoxy- and 2-phenyl(heterocyclic)sulfonamide derivs. with CCR3 antagonistic activity for treatment of asthma and other inflammatory or immunol. disorders)
 RN 769158-92-1 SCAPLUS
 CN Benzenesulfonamide, 5-acetyl-N-(3R)-1-arabicyclo[2.2.2]oct-3-yl-2-(3,5-dichlorophenoxy)- (CA INDEX NAME)

Absolute stereochemistry.



RN 769159-25-3 SCAPLUS
 CN Benzenesulfonamide, N-(3S)-1-arabicyclo[2.2.2]oct-3-yl-5-cyano-2-(3,5-dichlorophenoxy)- (CA INDEX NAME)

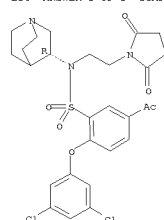
Absolute stereochemistry.



RN 769159-31-1 SCAPLUS
 CN Benzenesulfonamide, 5-acetyl-N-(3R)-1-arabicyclo[2.2.2]oct-3-yl-2-(3,5-dichlorophenoxy)-N-[2-(2,5-dioxo-1-pyrrolidinyl)ethyl]- (CA INDEX NAME)

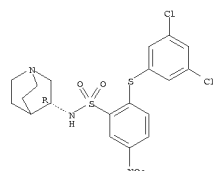
Absolute stereochemistry.

L14 ANSWER 1 OF 1 SCAPLUS COPYRIGHT 2009 ACS ON SIN (Continued)

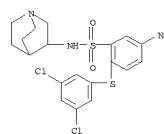


RN 769159-42-4 SCAPLUS
 CN Benzenesulfonamide, N-(3R)-1-arabicyclo[2.2.2]oct-3-yl-2-[(3,5-dichlorophenyl)thio]-5-nitro- (CA INDEX NAME)

Absolute stereochemistry.



RN 769159-51-5 SCAPLUS
 CN Benzenesulfonamide, N-1-arabicyclo[2.2.2]oct-3-yl-2-[(3,5-dichlorophenyl)thio]-5-nitro- (CA INDEX NAME)



RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

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(FILE 'STNGUIDE' ENTERED AT 16:45:31 ON 07 JUL 2009)
 DEL HIS Y

L1 FILE 'ZCAPLUS' ENTERED AT 17:27:31 ON 07 JUL 2009
 1 US20070155725/PN

FILE 'REGISTRY' ENTERED AT 17:27:38 ON 07 JUL 2009

L2 FILE 'ZCAPLUS' ENTERED AT 17:27:46 ON 07 JUL 2009
 TRA L1 1- RN : 92 TERMS

L3 FILE 'REGISTRY' ENTERED AT 17:27:46 ON 07 JUL 2009
 92 SEA L2
 L4 69 L3 AND NR>=3
 L5 32 L3 AND NR>=4
 L6 5 L5 AND NC5-NC5/ES
 L7 STR
 L8 0 L7
 L9 169870 NC5-NC5/ES
 L10 1 L7 SAM SUB=L9
 L11 6 L7 FULL SUB=L9
 L12 5 L11 AND L3
 L13 1 L11 NOT L12

FILE 'ZCAPLUS' ENTERED AT 17:35:23 ON 07 JUL 2009
 L14 1 L12
 L15 0 L13

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